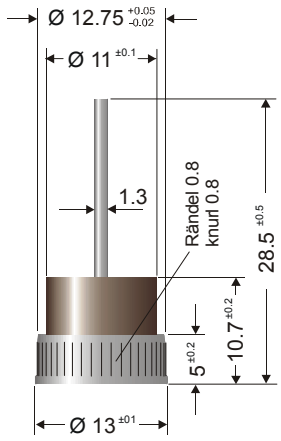
查询BYZ35A22供应商

BYZ 35A22 ... BYZ 35A47
BYZ 35K22 ... BYZ 35K47

Diotec Semiconductor

Silicon Protectifiers with TVS characteristics
High-temperature diodes

Silizium Schutzgleichrichter mit Begrenzereigenschaften
Hochtemperaturdioden



Dimensions / Maße in mm

Nominal current – Nennstrom 35 A

Nominal breakdown voltage 19.8 ... 51.7 V
Nominale Abbruch-Spannung

Metal press-fit case with plastic cover
Metall-Einpreßgehäuse mit Plastik-Abdeckung

Weight approx. – Gewicht ca. 10 g

Casting compound has UL classification 94V-0
Vergußmasse UL94V-0 klassifiziert

Standard packaging: bulk
Standard Lieferform: lose im Karton

Maximum ratings — Grenzwerte

Type / Typ Wire to / Draht an		Breakdown voltage Abbruch-Spannung I_T = 100 mA		Reverse voltage Sperrspannung I_R = 5 µA	Max. clamping voltage Max. Begrenzerspanng. at / bei I_{PP}, t_p = 1m s	
Anode	Cathode	V_{BRmin} [V]	V_{BRmax}	V_R [V]	V_C [V]	I_{PP} [A]
BYZ 35A22	BYZ 35K22	19.8	24.2	> 17.8	31,9	161
BYZ 35A27	BYZ 35K27	24.3	29.7	> 21.8	39,1	128
BYZ 35A33	BYZ 35K33	29.7	36.3	> 26.8	47,7	106
BYZ 35A39	BYZ 35K39	35.1	42.9	> 31.6	56,4	89
BYZ 35A47	BYZ 35K47	42.3	51.7	> 38.1	67,8	75

Max. average forward rectified current, R-load T_C = 150˚C I_{FAV} 35 A
Dauergrenzstrom in Einwegschaltung mit R-Last

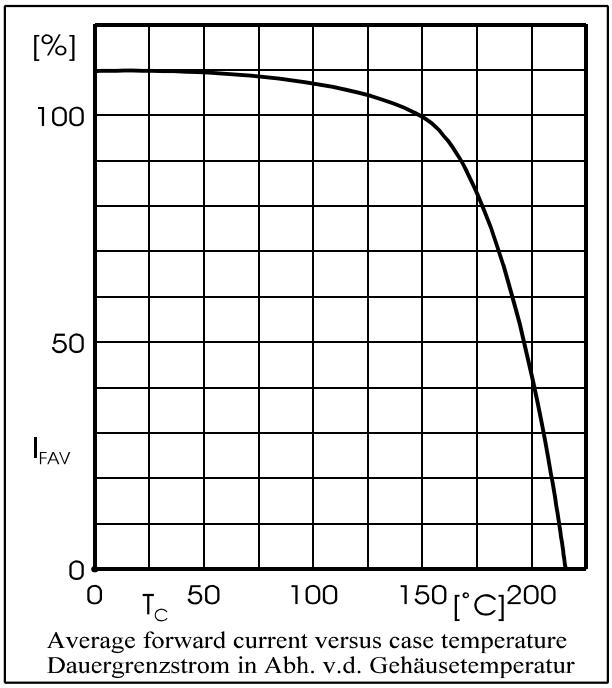
Peak forward surge current, 50 / 60 Hz half sine-wave T_A = 25˚C I_{FSM} 360 / 400 A
Stoßstrom für eine 50 / 60 Hz Sinus-Halbwelle

Rating for fusing, t <10 ms T_A = 25˚C i^2t 660 A^2s
Grenzlastintegral, t <10 ms

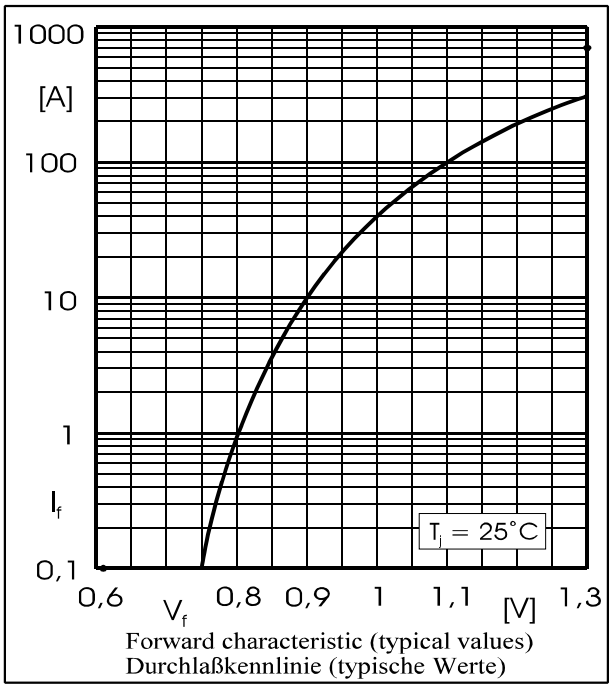
Forward voltage T_j = 25˚C I_F = 35 A V_F < 1.1 V
Durchlaßspannung

Operating junction temperature – Sperrschichttemperatur T_j – 50…+215˚C
Storage temperature – Lagerungstemperatur T_S – 50…+215˚C

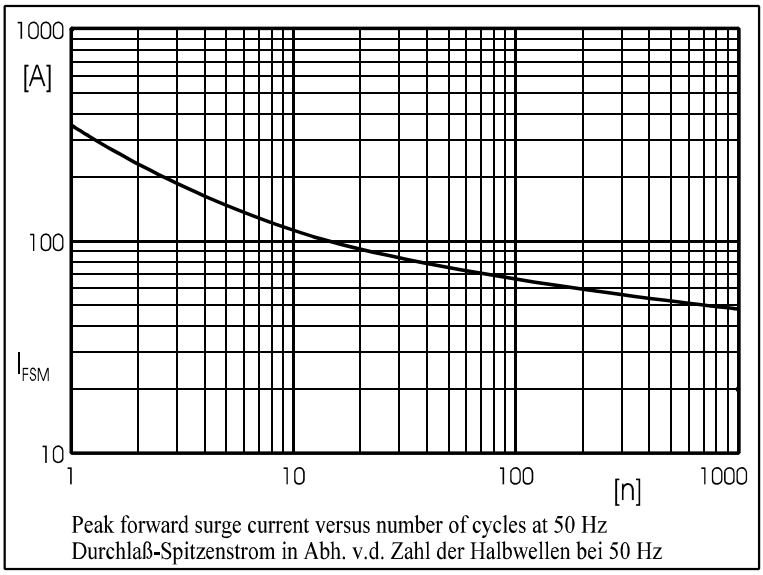
Max. junction temperature in case of “Load Dump” Max. Sperrschichttemperatur bei “Load Dump”	T_{jmax}	+280˚C
Thermal resistance junction to case Wärmewiderstand Sperrschicht – Gehäuse	R_{thC}	< 0.8 K/W
Maximum pressure – Maximaler Einpreßdruck		7 kN



Average forward current versus case temperature
Dauergrenzstrom in Abh. v.d. Gehäusetemperatur



Forward characteristic (typical values)
Durchlaßkennlinie (typische Werte)



Peak forward surge current versus number of cycles at 50 Hz
Durchlaß-Spitzenstrom in Abh. v.d. Zahl der Halbwellen bei 50 Hz